

Exhibit 300: Capital Asset Plan and Business Case Summary**Part I: Summary Information And Justification (All Capital Assets)****Section A: Overview (All Capital Assets)**

1. Date of Submission: 4/10/2009
2. Agency: Department of Energy
3. Bureau: National Nuclear Security Administration
4. Name of this Capital Asset: NNSA Enterprise Secure Network (ESN)
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.) 019-05-01-11-01-4100-00
6. What kind of investment will this be in FY 2010? (Please NOTE: Investments moving to O&M in FY 2010, with Planning/Acquisition activities prior to FY 2010 should not select O&M. These investments should indicate their current status.) Mixed Life Cycle
7. What was the first budget year this investment was submitted to OMB? FY2008
8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap:
(No PY UPI.)
NNSA was established to focus management attention on enhanced security, proactive management practices, and mission focus within the DOE national defense and nonproliferation programs. The potential consequences associated with the unauthorized release of nuclear weapon information require exceptional cyber security within the National Security Enterprise. NNSA Enterprise Secure Network (ESN) provides the necessary secure infrastructure and cyber security systems required to meet the informational needs of the science based stockpile stewardship program with a modeling and simulation based science and engineering environment.
ESN enables NNSA Transformation of the current nuclear weapons complex. DOE Strategic Theme 2 Nuclear Security, "Ensuring America's Nuclear Security" and Strategic Theme 5 Management Excellence builds, modernizes, and maintains facilities and infrastructure to achieve mission goals and ensure a safe and secure workplace. Congress directed NNSA to "perform planning, analysis, testing and evaluation necessary to develop the highest value alternatives for improving cyber security throughout the nuclear weapons complex."
The ESN institutionalizes a fully integrated resource management strategy that supports mission needs and postures the Nuclear Weapon complex for continuous business process improvement. This exhibit 300 is the initial submission of the ESN which previously was submitted as separate cyber initiatives.
In FY2009, ESN provides leveraged support to the oversight and management of DOE's cyber incident response activities and compliance with Presidential Directives HSPD-23 / NSPD-54. In FY2009-2010, ESN expands the capability for collaboration and information sharing with implementation of the SIPRNet Gateway, Need-to-Know Engine, and extending the network presence to additional sites in DOE and other agencies.
9. Did the Agency's Executive/Investment Committee approve this request? Yes
 - a. If "yes," what was the date of this approval? 3/6/2008
10. Did the Project Manager review this Exhibit? Yes
11. Contact information of Program/Project Manager?

Name	Bellamy, Goodman
Phone Number	202-586-4169 PM Mentor is Carlos Segarra
Email	Goodman.Bellamy@nnsa.doe.gov
- a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager? Waiver Issued
- b. When was the Program/Project Manager Assigned? 1/22/2008
- c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification? 8/8/2009
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable? Yes

techniques or practices for this project?

a. Will this investment include electronic assets (including computers)? Yes

b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only) No

1. If "yes," is an ESPC or UESC being used to help fund this investment?

2. If "yes," will this investment meet sustainable design principles?

3. If "yes," is it designed to be 30% more energy efficient than relevant code?

13. Does this investment directly support one of the PMA initiatives? Yes

If "yes," check all that apply:

Expanded E-Government

a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)

Consistent with ISS LOB goals, ESN provides a comprehensive and consistently implemented set of risk-based, cost-effective controls and measures required to meet the informational needs of the science based stockpile stewardship program and modeling and simulation based science and engineering environment. In FY2009 ESN supports oversight and management of DOE's cyber incident response activities, DOE CIRC full implementation, and compliance with Presidential Directives HSPD-23 / NSPD-54.

14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit www.whitehouse.gov/omb/part.) No

a. If "yes," does this investment address a weakness found during a PART review?

b. If "yes," what is the name of the PARTed program?

c. If "yes," what rating did the PART receive?

15. Is this investment for information technology? Yes

If the answer to Question 15 is "Yes," complete questions 16-23 below. If the answer is "No," do not answer questions 16-23.

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance) Level 3

17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance) (1) Project manager has been validated as qualified for this investment

18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2008 agency high risk report (per OMB Memorandum M-05-23) No

19. Is this a financial management system? No

a. If "yes," does this investment address a FFMIA compliance area?

1. If "yes," which compliance area:

2. If "no," what does it address?

b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A-11 section 52

20. What is the percentage breakout for the total FY2010 funding request for the following? (This should total 100%)

Hardware	10
Software	5
Services	85

Other 0

21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities? N/A

22. Contact information of individual responsible for privacy related questions:

Name Manley, Dischecal

Phone Number 202-586-9477

Title INFORMATION TECHNOLOGY SPECIALIST

E-mail DISHECAL.MANLEY@nnsa.doe.gov

23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? No

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO High Risk Areas? No

Section B: Summary of Spending (All Capital Assets)

1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated "Government FTE Cost," and should be excluded from the amounts shown for "Planning," "Full Acquisition," and "Operation/Maintenance." The "TOTAL" estimated annual cost of the investment is the sum of costs for "Planning," "Full Acquisition," and "Operation/Maintenance." For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS)									
(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)									
	PY-1 and earlier	PY 2008	CY 2009	BY 2010	BY+1 2011	BY+2 2012	BY+3 2013	BY+4 and beyond	Total
Planning:	74.756	9.46	0	0	0	0	0	0	84.216
Acquisition:	68.637	6.886	16.175	11.08	12.08	18.09	10.03	8.5	151.478
Subtotal Planning & Acquisition:	143.393	16.346	16.175	11.08	12.08	18.09	10.03	8.5	235.694
Operations & Maintenance:	0	3.154	17	10.42	10.42	10.41	23.47	25	99.874
TOTAL:	143.393	19.500	33.175	21.50	22.50	28.50	33.50	33.5	335.568
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	0	0.12	0.23078	0.2421	0.25395	0.2664	0.27945	0.29314	1.68582
Number of FTE represented by Costs:	0	1	2	2	2	2	2	2	13

Note: For the multi-agency investments, this table should include all funding (both managing partner and partner agencies). Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional FTE's? No

a. If "yes," How many and in what year?

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes: Congress directed NNSA to "perform planning, analysis, testing and evaluation necessary to develop the highest value alternatives for improving cyber security throughout the nuclear weapons complex." NNSA response was to begin the Integrated Cyber Security Initiative (ICSI).

The ESN investment was first reported as an Exhibit 300 investment and as a line item on the Exhibit 53 during the FY 10 CPIC reporting cycle. Prior to this time it was not recognized as a major investment. Funding was provided from the OCIO budget.

Section C: Acquisition/Contract Strategy (All Capital Assets)

1. Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment. Total Value should include all option years for each contract. Contracts and/or task orders completed do not need to be included.

Exhibit 300: NNSA Enterprise Secure Network (ESN) (Revision 1)

Contracts/Task Orders Table:															* Costs in millions	
Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order (\$M)	Is this an Interagency Acquisition ? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition ? (Y/N)
DE-AC04-01AL66850 Kansas City Plant, Kansas City, MO	Cost Plus Award Fee Total Award Value \$3,880,993, 713 includes IT costs	Yes	10/19/2000	1/1/2001	9/30/2014	56.375	No	Yes	Yes	NA	Yes	Yes	Ralph B. Tennant II	816-997-3249 ralph.tennant@nnsa.doe.gov	Level 3	
DE-AC03-43SF00048 (legacy); DE-AC52-07NA27344 (new) Lawrence Livermore National Laboratory / Livermore, CA	COST NO FEE Total Award Value \$8,833,836, 279 includes IT costs	Yes	5/8/2007	10/1/2007	9/30/2014	28.19	No	Yes	Yes	NA	Yes	Yes	Rona Promani	925-423-8050 ronna.promani@doeal.gov	Level 3	
DE-AC52-06NA25396 Los Alamos National Laboratory / Los Alamos, NM	Cost Plus Fixed Fee Total Award Value \$13,200,000, 000 includes IT costs	Yes	12/21/2005	6/1/2006	9/30/2014	30.535	No	Yes	Yes	NA	Yes	Yes	Carolyn Crooks	505-606-0249; ccrooks@doeal.gov	Level 3	
DE-AC54-00AL66620 Pantex Plant, Amarillo, TX	Cost Plus Award Fee Total Contract Award Value \$3,619,646, 168 includes IT costs	Yes	7/28/2000	11/13/2000	9/30/2014	23.49	No	Yes	Yes	NA	Yes	Yes	Seb Kline	806-477-4601 sklein@pantex.doe.gov	N/A	Yes
DE-AC04-94AL85000 Sandia National Laboratories, Albuquerque, NM	Cost Plus Award Fee Total Award Value \$26,979,950, 597 includes IT costs	Yes	10/15/1993	10/15/1993	9/30/2014	35.235	No	Yes	Yes	NA	Yes	Yes	JoAnne Wright	505-845-4096; jwright@doeal.gov	Level 3	

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Contracts/Task Orders Table:																* Costs in millions
Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order (\$M)	Is this an Interagency Acquisition ? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition ? (Y/N)
DE-AC05-00OR22800 Y-12 National Security Complex, Oakridge, TN	FIXED PRICE AWARD FEE Total Award Value \$8,865,283, 514 includes IT costs	Yes	10/15/1993	10/15/1993	9/30/2014	30.535	No	Yes	Yes	NA	Yes	Yes	Jill Albaugh	865-576-0760 albaughjy@yso.doe.gov	Level 3	
DEAC0908SR22470 MANAGEMENT AND OPERATING CONTRACT FOR THE SAVANNAH RIVER SITE	Cost Plus Fixed Fee Total Award Value is \$4,207,827, 946	Yes	1/10/2008	1/10/2008	9/30/2014	30.535	No	Yes	Yes	NA	Yes	Yes	McCusker, Daniel W	803-952-5921 / daniel.mccusker@srs.gov	Level 3	
GSA Millennia All Millennia task orders must be awarded prior to contract expiration on October 27, 2009. Millennia task orders shall not extend more than five (5) years after October 27, 2009.	Multiple Award Indefinite Quantity (MAIQ) contract Task Order issued	Yes	8/27/1999	4/27/1999	5/31/2010	70.673	Yes	Yes	Yes	NA	Yes	Yes	Vidal, Daniel A.	Phone:(858) 537-2259 Email: daniel.vidal@gsa.gov	N/A	Yes
	Multiple Award Indefinite Quantity (MAIQ)	No		5/17/2010	9/30/2014	30	Yes	Yes	Yes	NA	Yes	Yes	Irie White Clarke	202-287-1421 / Irie.Clarke@HQ.DOE.GOV	Level 3	

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

ESN is in mixed life cycle status with continuous improvement of network and security operations due to dynamic nature of cyber threats. Operations tasks are Manage In Use and will not require earned value. It is expected that future enhancements will be identified as special projects and will be tracked separately with earned value required for each special project.

ESN hardware, software, and services are acquired for the Enterprise through an Integrated Procurement Team. The team coordinates requirements-gathering activities with project teams, evaluates products that address the documented requirements, selects preferred providers, and oversees negotiation for vendor products and services. The Integrated Procurement Team also oversees maintenance agreements for existing hardware and software, which may be found in the ESN Maintenance and Service Support Plan.

The ESN Maintenance and Service Support Plan is also known as the Service Level Agreement (SLA) between ESN operations and end users. Technical guidelines define the service support levels provided to ESN users, and include expected levels of system availability, redundancy, and performance levels. The level of service at individual NWC sites may be greater than what is specified herein; however, specifications defined in this document should be considered the minimum operating requirements for any site using ESN services.

3. Do the contracts ensure Section 508 compliance?

Yes

a. Explain why not or how this is being done?

DOE Acquisition Guide Chapter 39.2 (June 2005) Guidance on Electronic and Information Technology (EIT) Accessibility - Section 508

Section 508 requires Departments and Agencies to: Procure, develop, maintain, or use Electronic and Information Technology (EIT), to ensure that disabled Federal employees have access to and use of information and data comparable to that of other Federal employees.

The ESN classified access is supported by approved software - Sun Web Server 6.1 SP 8

4. Is there an acquisition plan which reflects the requirements of FAR Subpart 7.1 and has been approved in accordance with agency requirements?

Yes

a. If "yes," what is the date?

6/25/2008

1. Is it Current?

Yes

b. If "no," will an acquisition plan be developed?

1. If "no," briefly explain why:

Section D: Performance Information (All Capital Assets)

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond the next President's Budget.

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2008	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Customer Results	Service Accessibility	Access				

Exhibit 300: NNSA Enterprise Secure Network (ESN) (Revision 1)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2008	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Mission and Business Results	Internal Risk Management and Mitigation	Continuity Of Operations				
2008	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Processes and Activities	Security and Privacy	Security				
2008	GOAL 1.3 Energy Infrastructure Create a more flexible, secure, reliable, efficient, and higher capacity U.S. energy infrastructure by improving energy services throughout the economy and enabling the use of diverse sources.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission				
2009	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Customer Results	Service Accessibility	Access				
2009	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Mission and Business Results	Internal Risk Management and Mitigation	Continuity Of Operations				
2009	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Processes and Activities	Security and Privacy	Security				
2009	GOAL 1.3 Energy Infrastructure Create a more flexible, secure,	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission				

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	reliable, efficient, and higher capacity U.S. energy infrastructure by improving energy services throughout the economy and enabling the use of diverse sources.							
2010	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Customer Results	Service Accessibility	Access				
2010	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Mission and Business Results	Internal Risk Management and Mitigation	Continuity Of Operations				
2010	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Processes and Activities	Security and Privacy	Security				
2010	GOAL 1.3 Energy Infrastructure Create a more flexible, secure, reliable, and higher capacity U.S. energy infrastructure by improving energy services throughout the economy and enabling the use of diverse sources.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission				
2011	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Customer Results	Service Accessibility	Access				
2011	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear	Mission and Business Results	Internal Risk Management and Mitigation	Continuity Of Operations				

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.							
2011	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Processes and Activities	Security and Privacy	Security				
2011	GOAL 1.3 Energy Infrastructure Create a more flexible, secure, reliable, efficient, and higher capacity U.S. energy infrastructure by improving energy services throughout the economy and enabling the use of diverse sources.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission				
2012	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Customer Results	Service Accessibility	Access				
2012	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Mission and Business Results	Internal Risk Management and Mitigation	Continuity Of Operations				
2012	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Processes and Activities	Security and Privacy	Security				
2012	GOAL 1.3 Energy Infrastructure Create a more flexible, secure, reliable, efficient, and higher capacity U.S. energy infrastructure by	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission				

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	improving energy services throughout the economy and enabling the use of diverse sources.							
2013	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Customer Results	Service Accessibility	Access				
2013	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Mission and Business Results	Internal Risk Management and Mitigation	Continuity Of Operations				
2013	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Processes and Activities	Security and Privacy	Security				
2013	GOAL 1.3 Energy Infrastructure Create a more flexible, secure, reliable, and higher capacity U.S. energy infrastructure by improving energy services throughout the economy and enabling the use of diverse sources.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission				
2014	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Customer Results	Service Accessibility	Access				
2014	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to	Mission and Business Results	Internal Risk Management and Mitigation	Continuity Of Operations				

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	the threats of the 21st Century.							
2014	GOAL 2.1 Nuclear Deterrent Transform the Nation's nuclear deterrent and supporting infrastructure to be more responsive to the threats of the 21st Century.	Processes and Activities	Security and Privacy	Security				
2014	GOAL 1.3 Energy Infrastructure Create a more flexible, secure, reliable, and efficient, and higher capacity U.S. energy infrastructure by improving energy services throughout the economy and enabling the use of diverse sources.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission				

Section E: Security and Privacy (IT Capital Assets only)

In order to successfully address this area of the business case, each question below must be answered at the system/application level, not at a program or agency level. Systems supporting this investment on the planning and operational systems security tables should match the systems on the privacy table below. Systems on the Operational Security Table must be included on your agency FISMA system inventory and should be easily referenced in the inventory (i.e., should use the same name or identifier).

For existing Mixed-Life Cycle investments where enhancement, development, and/or modernization is planned, include the investment in both the "Systems in Planning" table (Table 3) and the "Operational Systems" table (Table 4). Systems which are already operational, but have enhancement, development, and/or modernization activity, should be included in both Table 3 and Table 4. Table 3 should reflect the planned date for the system changes to be complete and operational, and the planned date for the associated C&A update. Table 4 should reflect the current status of the requirements listed. In this context, information contained within Table 3 should characterize what updates to testing and documentation will occur before implementing the enhancements; and Table 4 should characterize the current state of the materials associated with the existing system.

All systems listed in the two security tables should be identified in the privacy table. The list of systems in the "Name of System" column of the privacy table (Table 8) should match the systems listed in columns titled "Name of System" in the security tables (Tables 3 and 4). For the Privacy table, it is possible that there may not be a one-to-one ratio between the list of systems and the related privacy documents. For example, one PIA could cover multiple systems. If this is the case, a working link to the PIA may be listed in column (d) of the privacy table more than once (for each system covered by the PIA).

The questions asking whether there is a PIA which covers the system and whether a SORN is required for the system are discrete from the narrative fields. The narrative column provides an opportunity for free text explanation why a working link is not provided. For example, a SORN may be required for the system, but the system is not yet operational. In this circumstance, answer "yes" for column (e) and in the narrative in column (f), explain that because the system is not operational the SORN is not yet required to be published.

Please respond to the questions below and verify the system owner took the following actions:

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment?:
 - a. If "yes," provide the "Percentage IT Security" for the budget year:
2. Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment?

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):			
Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned C&A update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):			
Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned C&A update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)
Enterprise Secure Network - Extensions and Enhancements			

4. Operational Systems - Security Table:							
Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level (High, Moderate, Low)	Has C&A been Completed, using NIST 800-37? (Y/N)	Date Completed: C&A	What standards were used for the Security Controls tests? (FIPS 200/NIST 800-53, Other, N/A)	Date Completed: Security Control Testing	Date the contingency plan tested
SecureNet Access Subnet							
The Enterprise Secure Network (ESN)							

5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG?

a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?

a. If "yes," specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness.

7. How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above?

The monitoring, verification and validation of the contractor security program (including procedures, and clearance processing and management) for the NNSA ESN falls under the Cognizant Security Authority of the Office of the Assistant Manager for Safeguards and Security for the locations implementing ESN. This Federal oversight (monitoring, verification and validation) is addressed via DOE directed (DOE M 470.4-1) periodic (annual) surveys that are performed by OAMSS, and periodic self-assessments performed by the respective Facility Security Officers, which are submitted to OAMSS for review and concurrence. All program discrepancies (findings) are formally tracked to completion, which requires a federal validation of finding closure.

The federal oversight (monitoring, verification and validation) of the contractor security program regarding Cyber Security for the NNSA ESN also follows DOE direction for the Safeguards and Security Program; however this portion of the program falls under the authority of the NNSA Cyber Security Program Manager, and the concurrence of the Designated Approving Authorities for the locations implementing ESN.

Effective IT governance ensures that IT supports business goals, optimizes business investment in IT, and appropriately manages IT-related risks and opportunities. IT governance includes all processes that coordinate and control an organization's resources and actions. As a result, the scope of the ESN governance includes ethics, resource-management processes, accountability, and management controls. Effective project management, as well as establishing a Configuration Control Board, will ensure that accountability and management controls are properly implemented. ESN environments will be managed through the Architecture and Operations Teams.

ESN has a highly structured set of environments that control the integrity of ESN systems and services.

Development and testing - ODE, FTE, and STE

ESN Subnet Pre-readiness Check

Baseline configuration implementation

Instantiation

Full Production Implementation Approval

Production implementation acceptance testing

8. Planning & Operational Systems - Privacy Table:					
(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
Enterprise Secure Network - Extensions and Enhancements	Yes	No	This is a secure network with no public access. No privacy impact is required.	No	This is a secure network with no records.
Enterprise Secure Network (ESN)	No	No	This is a secure network with no public access. No	No	This is a secure network with no records.

8. Planning & Operational Systems - Privacy Table:

(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
			privacy impact is required.		
SecureNet Access Subnet	No	No	This is a secure network with no public access. No privacy impact is required.	No	This is a secure network with no records.

Details for Text Options:

Column (d): If yes to (c), provide the link(s) to the publicly posted PIA(s) with which this system is associated. If no to (c), provide an explanation why the PIA has not been publicly posted or why the PIA has not been conducted.

Column (f): If yes to (e), provide the link(s) to where the current and up to date SORN(s) is published in the federal register. If no to (e), provide an explanation why the SORN has not been published or why there isn't a current and up to date SORN.

Note: Working links must be provided to specific documents not general privacy websites. Non-working links will be considered as a blank field.

Section F: Enterprise Architecture (EA) (IT Capital Assets only)

In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

1. Is this investment included in your agency's target enterprise architecture? No

a. If "no," please explain why?

The ESN institutionalizes a fully integrated resource management strategy that supports mission needs and postures the Nuclear Weapon complex for continuous business process improvement. The ESN provides a broad base of security and network services that include: Application Integration (AI); Authentication Services; Directory Services (DSI); Enterprise Data Resource Management (EDRM); Information Assurance Response Center (IARC) Security Operations Center (SOC) and Network Operations Center (NOC); Identity and Access Management (I&AM); Public Key Infrastructure (PKI); and Security Monitoring / Intrusion Detection (IDS). ESN includes an umbrella of services that incorporates different IT strategies that protect networks. This exhibit 300 is the initial submission of the ESN which previously was submitted as separate cyber initiatives.

2. Is this investment included in the agency's EA Transition Strategy? No

a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment. Enterprise Secure network (ESN)

b. If "no," please explain why?

The ESN institutionalizes a fully integrated resource management strategy that supports mission needs and postures the Nuclear Weapon complex for continuous business process improvement. The ESN provides a broad base of security and network services that include: Application Integration (AI); Authentication Services; Directory Services (DSI); Enterprise Data Resource Management (EDRM); Information Assurance Response Center (IARC) Security Operations Center (SOC) and Network Operations Center (NOC); Identity and Access Management (I&AM); Public Key Infrastructure (PKI); and Security Monitoring / Intrusion Detection (IDS). ESN includes an umbrella of services that incorporates different IT strategies that protect networks. This exhibit 300 is the initial submission of the ESN which previously was submitted as separate cyber initiatives.

3. Is this investment identified in a completed and approved segment architecture? No

a. If "yes," provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect. For detailed guidance regarding segment architecture codes, please refer to <http://www.egov.gov>. 111-000

4. Service Component Reference Model (SRM) Table:

Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to <http://www.egov.gov>.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
File Services	batch, file transfer, and network file systems	Back Office Services	Data Management	Data Exchange			No Reuse	4
Computer forensics examinations	Media analysis Network traffic analysis Reverse	Business Management Services	Management of Processes	Governance / Policy Management			No Reuse	2

Exhibit 300: NNSA Enterprise Secure Network (ESN) (Revision 1)

4. Service Component Reference Model (SRM) Table:

Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to <http://www.egov.gov>.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	engineering							
		Business Management Services	Management of Processes				No Reuse	4
Network/information-centric operations	Trust establishment, assured services, and protected data and operations Interconnection of users and infrastructure elements and managers	Business Management Services	Organizational Management	Network Management			No Reuse	10
Help Desk	virtual support team spanning NNSA sites	Customer Services	Customer Initiated Assistance	Assistance Request			No Reuse	6
Information Sharing	CAD Sharing Tele/Video Conferencing Visualization Sharing	Digital Asset Services	Knowledge Management	Information Sharing			No Reuse	5
Work Flow Services	Collaboration Tools Document Management Network-based Computing PDM/PLM Tools Production Scheduling Program Planning and Scheduling	Process Automation Services	Tracking and Workflow	Process Tracking			No Reuse	2
Directory Services	user information, machine information, group information. Includes name services, e.g., DNS	Support Services	Communication	Community Management			No Reuse	7
Connectivity Services	Site Connectivity Enterprise Connectivity	Support Services	Communication	Computer / Telephony Integration			No Reuse	16
		Support Services	Security Management				No Reuse	4
		Support Services	Security Management				No Reuse	10
		Support Services	Security Management				No Reuse	1
		Support Services	Security Management				No Reuse	8
		Support Services	Security Management				No Reuse	8
		Support Services	Security Management				No Reuse	7
		Support Services	Security Management				No Reuse	6

a. Use existing SRM Components or identify as "NEW". A "NEW" component is one not already identified as a service component in the FEA SRM.

b. A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

c. 'Internal' reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. 'External' reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

d. Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in the column can, but are not required to, add up to 100%.

Exhibit 300: NNSA Enterprise Secure Network (ESN) (Revision 1)

5. Technical Reference Model (TRM) Table:

To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Data Exchange	Component Framework	Data Interchange	Data Exchange	
	Component Framework	Security		
	Component Framework	Security		
	Component Framework	Security		
Process Tracking	Service Access and Delivery	Delivery Channels	Intranet	
	Service Access and Delivery	Service Requirements		
	Service Access and Delivery	Service Requirements		
Community Management	Service Access and Delivery	Service Requirements	Legislative / Compliance	
Risk Management	Service Access and Delivery	Service Requirements	Legislative / Compliance	
Information Sharing	Service Access and Delivery	Service Transport	Service Transport	
Network Management	Service Access and Delivery	Service Transport	Supporting Network Services	
	Service Interface and Integration	Interface		
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	
	Service Platform and Infrastructure	Hardware / Infrastructure		
	Service Platform and Infrastructure	Hardware / Infrastructure		
Audit Trail Capture and Analysis	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	

a. Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications

b. In the Service Specification field, agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

6. Will the application leverage existing components and/or applications across the Government (i.e., USA.gov, Pay.Gov, etc)? No

a. If "yes," please describe.

Exhibit 300: Part II: Planning, Acquisition and Performance Information**Section A: Alternatives Analysis (All Capital Assets)**

Part II should be completed only for investments identified as "Planning" or "Full Acquisition," or "Mixed Life-Cycle" investments in response to Question 6 in Part I, Section A above.

In selecting the best capital asset, you should identify and consider at least three viable alternatives, in addition to the current baseline, i.e., the status quo. Use OMB Circular A-94 for all investments and the Clinger Cohen Act of 1996 for IT investments to determine the criteria you should use in your Benefit/Cost Analysis.

1. Did you conduct an alternatives analysis for this project? Yes
 - a. If "yes," provide the date the analysis was completed? 8/21/2008
 - b. If "no," what is the anticipated date this analysis will be completed?
 - c. If no analysis is planned, please briefly explain why:

2. Alternative Analysis Results: * Costs in millions			
Use the results of your alternatives analysis to complete the following table:			
Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate

3. Which alternative was selected by the Agency's Executive/Investment Committee and why was it chosen?

It was decided that NNSA would select Alternative 1 - Develop and implement a standard enterprise-wide information system. This alternative provides the opportunity to quickly realize a secure, mission enabling information system that provide integrated, defense-in-depth, multi-decade protection for the enterprise-wide classified and sensitive unclassified nuclear weapons information assets. The potential consequences associated with the unauthorized release of nuclear weapon information require exceptional cyber security within the DOE Nuclear Weapon complex. This alternative provides the necessary secure infrastructure and secure systems required to meet the informational needs of the science based stockpile stewardship program and modeling and simulation based science and engineering environment.

- Improve the ability to do work
- Improve the ability to manage the business
- Flexible and sustainable over time

Besides the being the the most effective Alternative 1 - Develop and implement a standard enterprise-wide information system it is also the most risk adjusted cost efficient solution.

- a. What year will the investment breakeven? (Specifically, Beyond 2021 when the budgeted costs savings exceed the cumulative costs.)

4. What specific qualitative benefits will be realized?

ESN will be centrally managed, operated, and funded thus ensuring that standards are maintained.

5. Federal Quantitative Benefits				
What specific quantitative benefits will be realized (using current dollars) Use the results of your alternatives analysis to complete the following table:				
	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Budgeted Cost Avoidance
PY - 1 2007 & Prior				
PY 2008				The use of a variety of connectivity methods and technical capabilities to share data among sites results in a lack of consistent means to securely manage data/ resources, duplication of services and increased cost
CY 2009				The use of a variety of connectivity methods and technical capabilities to share data among sites results in a lack of consistent means to securely manage data/ resources, duplication of services and increased cost
BY 2010				The use of a variety of connectivity methods and technical capabilities to share

5. Federal Quantitative Benefits				
What specific quantitative benefits will be realized (using current dollars) Use the results of your alternatives analysis to complete the following table:				
	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Budgeted Cost Avoidance
				data among sites results in a lack of consistent means to securely manage data/resources, duplication of services and increased cost
BY + 1 2011				The use of a variety of connectivity methods and technical capabilities to share data among sites results in a lack of consistent means to securely manage data/resources, duplication of services and increased cost
BY + 2 2012				The use of a variety of connectivity methods and technical capabilities to share data among sites results in a lack of consistent means to securely manage data/resources, duplication of services and increased cost
BY + 3 2013				The use of a variety of connectivity methods and technical capabilities to share data among sites results in a lack of consistent means to securely manage data/resources, duplication of services and increased cost
BY + 4 2014 & Beyond				
Total LCC Benefit			LCC = Life-cycle Cost	

6. Will the selected alternative replace a legacy system in-part Yes
or in-whole?

a. If "yes," are the migration costs associated with the This Investment
migration to the selected alternative included in this
investment, the legacy investment, or in a separate migration
investment?

b. If "yes," please provide the following information:

5b. List of Legacy Investment or Systems		
Name of the Legacy Investment of Systems	UPI if available	Date of the System Retirement

Section B: Risk Management (All Capital Assets)

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

1. Does the investment have a Risk Management Plan? Yes
 - a. If "yes," what is the date of the plan? 6/20/2008
 - b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?
 - c. If "yes," describe any significant changes:

2. If there currently is no plan, will a plan be developed?
 - a. If "yes," what is the planned completion date?
 - b. If "no," what is the strategy for managing the risks?

3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:
An Enterprise Architecture approach addresses of costs for specific security features to mitigate risks.

Structured approach to risk assessment in making a determination of risk or consequence involves multiple steps. The levels of Consequences of Loss reflect the sensitivity of the information and consequences of the loss of confidentiality, integrity, and

availability. The levels of consequence must be considered when determining which security measures should be required of networks and multi-user information systems.

This structured approach allows a work breakdown structure to be defined for the program that examines cost risks by best case, worst case, and most-likely cost estimates for each element and provides a means to assess and focus on the most effective improvements to mitigate the sources of risk.

Section C: Cost and Schedule Performance (All Capital Assets)

EVM is required only on DME portions of investments. For mixed lifecycle investments, O&M milestones should still be included in the table (Comparison of Initial Baseline and Current Approved Baseline). This table should accurately reflect the milestones in the initial baseline, as well as milestones in the current baseline.

1. Does the earned value management system meet the criteria in ANSI/EIA Standard-748? Yes

2. Is the CV% or SV% greater than +/- 10%? (CV%= CV/EV x 100; SV%= SV/PV x 100) No

a. If "yes," was it the CV or SV or both?

b. If "yes," explain the causes of the variance:

c. If "yes," describe the corrective actions:

3. Has the investment re-baselined during the past fiscal year? No

a. If "yes," when was it approved by the agency head?

Exhibit 300: NNSA Enterprise Secure Network (ESN) (Revision 1)

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in \$ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost (\$M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost (\$M)		Schedule (# days)	Cost (\$M)	
				Planned	Actual	Planned	Actual			
1	FY02 and Prior Initial Requirements Definition /Policy Development	9/30/2002	\$30.000000	9/30/2002	9/30/2002	\$30.000000	\$30.000000	0	\$0.000000	100%
2	FY02 and Prior SecureNet - IARC - ICAS Systems and Services	9/30/2002	\$20.000000	9/30/2002	9/30/2002	\$20.000000	\$20.000000	0	\$0.000000	100%
3	FY03 Requirements Definition - Policy Development	9/30/2003	\$10.000000	9/30/2003	9/30/2003	\$10.000000	\$10.000000	0	\$0.000000	100%
4	FY03 IARC - ICAS Systems and Services	9/30/2003	\$8.589000	9/30/2003	9/30/2003	\$8.589000	\$8.589000	0	\$0.000000	100%
5	FY04 enhance design, technologies, processes	9/30/2004	\$10.000000	9/30/2004	9/30/2004	\$10.000000	\$10.000000	0	\$0.000000	100%
6	FY04 Prototype Directory Services	9/30/2004	\$9.951000	9/30/2004	9/30/2004	\$9.951000	\$9.951000	0	\$0.000000	100%
7	FY05 Develop Enterprise Applications - Stage 1	9/30/2005	\$10.000000	9/30/2005	9/30/2005	\$10.000000	\$10.000000	0	\$0.000000	100%
8	FY05 Security Test Environment, PKI, Secure email	9/30/2005	\$4.863000	9/30/2005	9/30/2005	\$4.863000	\$4.863000	0	\$0.000000	100%
9	FY06 enhance Security Monitoring, Information Sharing	9/30/2006	\$10.000000	9/30/2006	9/30/2006	\$10.000000	\$10.000000	0	\$0.000000	100%
10	FY06 Enterprise Applications - Stage 1	9/30/2006	\$9.855000	9/30/2006	9/30/2006	\$9.855000	\$9.855000	0	\$0.000000	100%
11	FY07 Develop Enterprise Applications - Stage 2	9/30/2007	\$14.756000	9/30/2007	9/30/2007	\$14.756000	\$14.756000	0	\$0.000000	100%
12	FY07 Intrusion Detection Systems	9/30/2007	\$5.379000	9/30/2007	9/30/2007	\$5.379000	\$5.379000	0	\$0.000000	100%
13	FY08 enhance design, technologies, processes	9/30/2008	\$9.460000	9/30/2008		\$9.460000	\$4.730000		\$0.000000	50%
14	FY08 Controlled Access Searches, Multi-Site Information Sharing	9/30/2008	\$6.886000	9/30/2008		\$6.886000	\$3.443000		\$0.000000	50%

Exhibit 300: NNSA Enterprise Secure Network (ESN) (Revision 1)

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in \$ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost (\$M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost (\$M)		Schedule (# days)	Cost (\$M)	
				Planned	Actual	Planned	Actual			
15	FY08 Sustain ESN Services - Securenet	9/30/2008	\$3.154000	9/30/2008		\$3.154000	\$1.577000		\$0.000000	50%
16	FY09 Inter-Agency Gateway, Fine Grained Need to Know	9/30/2009	\$16.175000	9/30/2009		\$16.175000				0%
16.1	Inter-Agency (SIPRNet) Gateway	9/30/2009	\$5.000000	9/30/2009		\$5.000000				0%
16.2	Need-to-Know Engine	9/30/2009	\$4.000000	9/30/2009		\$4.000000				0%
16.3	ESN development to mitigate risk - IARC	9/30/2009	\$7.175000	9/30/2009		\$7.175000				0%
17	FY09 Sustain ESN Services - Decommission Securenet	9/30/2009	\$17.000000	9/30/2009		\$17.000000				0%
18	FY10 Proactive Security Services	9/30/2010	\$11.080000	9/30/2010		\$11.080000				0%
19	FY10 Sustain ESN Services	9/30/2010	\$10.420000	9/30/2010		\$10.420000				0%
20	FY11 Enhanced Systems and Services	9/30/2011	\$12.080000	9/30/2011		\$12.080000				0%
21	FY11 Sustain ESN Services	9/30/2011	\$10.420000	9/30/2011		\$10.420000				0%
22	FY12 Autonomic Security Services	9/30/2012	\$18.090000	9/30/2012		\$18.090000				0%
23	FY12 Sustain ESN Services	9/30/2012	\$10.410000	9/30/2012		\$10.410000				0%
24	FY13 Enhanced Systems and Services	9/30/2013	\$10.030000	9/30/2013		\$10.030000				0%
25	FY13 Sustain ESN Services	9/30/2013	\$23.470000	9/30/2013		\$23.470000				0%
26	FY14 Enhanced Systems and Services	9/30/2014	\$8.500000	9/30/2014		\$8.500000				0%
27	FY14 Sustain ESN Services	9/30/2014	\$25.000000	9/30/2014		\$25.000000				0%
28	FY08 Program Oversight	9/30/2008	\$0.120000	9/30/2008		\$0.120000	\$0.090000		\$0.000000	75%
29	FY09 Program Oversight	9/30/2009	\$0.230780	9/30/2009		\$0.230780				0%
30	FY10 program Oversight	9/30/2010	\$0.242089	9/30/2010		\$0.242089				0%

Exhibit 300: NNSA Enterprise Secure Network (ESN) (Revision 1)

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in \$ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost (\$M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost (\$M)		Schedule (# days)	Cost (\$M)	
				Planned	Actual	Planned	Actual			
31	FY11 Program Oversight	9/30/2011	\$0.253951	9/30/2011		\$0.253951				0%
32	FY12 Program Oversight	9/30/2012	\$0.266395	9/30/2012		\$0.266395				0%
33	FY13 Program Oversight	9/30/2013	\$0.279446	9/30/2013		\$0.279446				0%
34	FY14 Program Oversight	9/30/2014	\$0.293140	9/30/2014		\$0.293140				0%
Project Totals		9/30/2014	\$337.253799	9/30/2014	9/30/2007	\$337.253799	\$153.233000	2557	\$0.015126	45.44%